

WHAT IS CLAIMED, IS

1. A digital video recorder comprising :

- 5 - an encoder of a first analog signal into a first digital stream ;
 - a decoder of a second digital stream into a second analog signal ;
 - a medium interface for reading and recording on a medium ;
 characterised in that at least one digital source outputs a third digital

stream, and in that a multiplexer is connected to the encoder, to the decoder, to the
10 digital source and to the medium interface.

2. Digital video recorder according to claim 1, wherein the multiplexer
comprises a first switch, which allows to connect selectively the medium
15 interface to the encoder or to the digital source, and a second switch, which
allows to connect selectively the decoder to the encoder or to the digital source.

3. Digital video recorder according to claim 2, wherein the second
switch allows to connect selectively the decoder to the encoder, to the digital
source or to the medium interface.

4. Digital video recorder according to claim 1 wherein a transcoder
receiving a fourth digital stream is connected to the multiplexer.

5. Digital video recorder according to claim 4, wherein the multiplexer
25 comprises a first switch, which allows to connect selectively the medium
interface to the encoder, to the digital source or to the transcoder, and a second
switch, which allows to connect selectively the decoder to the encoder, to the
digital source or to the transcoder.

6. Digital video recorder according to claim 5, wherein the second
switch allows to connect selectively the decoder to the encoder, to the digital
source, to the transcoder or to the medium interface.

7. Digital video recorder according to claim 1, wherein the decoder is
35 connected to a display.

8. Digital video recorder comprising :

- a digital encoder ;
- a digital decoder ;
- a medium interface for reading and recording on a medium ;

5 characterised in that a multiplexer is connected to the digital encoder, to the digital decoder and to the medium interface and in that the multiplexer has at least an input for receiving a digital stream from a digital source.

10 9. Digital video recorder according to claim 8, wherein the multiplexer comprises a first switch, which allows to connect selectively the medium interface to the digital encoder or to said input, and a second switch, which allows to connect selectively the digital decoder to the digital encoder or to said input.

15 10. Multiplexer for a digital video recorder with at least two inputs for receiving each a digital stream, with a point for connection to a medium interface and with at least one output, wherein a first switch selectively connects said point to one of the inputs and wherein a second switch selectively connects the output to one of the inputs or to said point.

20